

CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	: CP-2017-05-02-09	Date: 04-05-17
Customer	: Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.	
Address	: Byatarayanapura Sub Division, BBMP, Bangalore.	
Project Name	: Improvements to roads and drains at bhagyasree layout near Chamundeshwari temple in ward no.06.Byatarayanapura Sub Division	
Agency	: Sri.R.Nataraj, Contractor, #860, 19th Cross, 5th block, HMT layout, Vidyaranyapura, Bangalore-97	
Customer's Reference	: EE/BTP/BBMP/E-PMT/69/2013-14	
Source of Sample	: Sample supplied by Agency	
Sample Condition	: Satisfactory	
Date of Receipt	: 02-05-17	
Sample ID No	: 2017-05-02-09-01	
Sample Type	: Birla Super 53grade	
Reference to BIS codes	: IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6	

Date of test : 03-05-17

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.35	—
2	Finess by Air permeability method (m ² /kg, Min)	244.5	225m ² /kg, Min
3	Density (gm/cc)	3.13	—
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	170 minutes	Not less than 30 minutes
6	Final Setting time	285 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

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Samples will be disposed after 30 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN

Authorized Signatory
Quality Manager

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*****End of Report*****

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